

OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

EXPLANATION

INDEX NUMBER OF MEASURED SECTION SHOWN ON  
PLATE 3 OF CRO MAP—Coal section measured at point  
of triangle.

LINE OF COMPOSITE SECTION—Showing index number of  
section shown on plate 3 of CRO map. Composite section  
is based on nearby coal thickness measurements.

OIL AND GAS TEST HOLE—Showing drill-hole data, in feet.

COAL TEST HOLE—Showing index number of hole on plate 3  
of CRO map, and drill hole data, in feet.

GL—Ground elevation  
NR—No record  
R—Rock interval  
C—Coal interval  
TD—Total depth

DRILL-HOLE DATA SYMBOLS

L—Local  
Sa—Sawyer  
Kn—Knobloch  
Rb—Rosebud  
Mc—McKay  
COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP—Dashed where approxi-  
mately located; short dashed where inferred. Showing  
thickness of coal, or coal-rock intervals, in feet, measured  
at triangle. Where a thickness fraction is shown, it indi-  
cates the net coal thickness (upper number) and net partings  
thickness (lower number). Letters designate the  
name of the coal bed as listed above. Arrow points toward  
coal-bearing area. Trace of coal outcrop has been modified  
from Bass (1932, pl. 3), Kepferle (1954, pls. 49, 50), and  
Matson and Blumer (1973, pl. 30) to fit modern topo-  
graphic map.

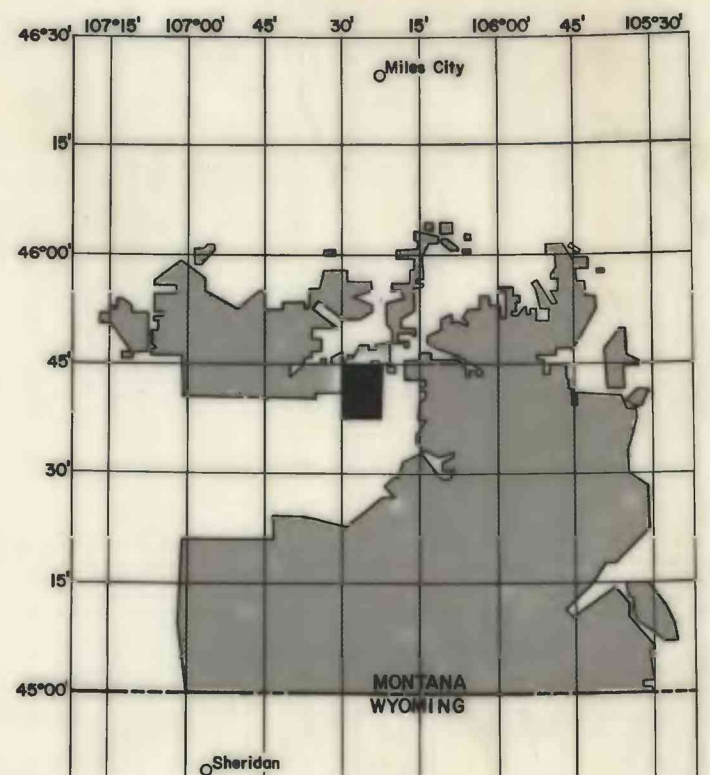
BURNED AND CLINKERED COAL BED—Showing area of  
baked and fused rock (v symbol). Dotted line indicates the  
inferred limit of burning.

FAULT—Dashed where approximately located. U, upthrown  
side; D, downthrown side.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS  
Bass, N. W., 1932, The Ashland coal field, Rosebud, Powder  
River, and Custer Counties, Montana: U.S. Geol. Survey  
Bull. 831-B, p. 19-105.  
Kepferle, R. C., 1954, Selected deposits of strippable coal in  
central Rosebud County, Montana: U.S. Geol. Survey Bull.  
995-1, p. 338-351.  
Matson, R. E., and Blumer, J. W., 1973, Quality and reserves of  
strippable coal, selected deposits, southeastern Montana:  
Mont. Bur. Mines and Geol. Bull. 91, 135 p.

[Original logs of drill holes were released as Montana  
Bureau of Mines and Geology open-file reports (and as an  
appendix to Bull. 91) which contain more complete infor-  
mation than is shown in their Bull. 91.]



INDEX MAP—Showing location of the Garfield Peak  
quadrangle and the Northern Powder River Basin  
Recoverable Coal Resource Area (stippled), Montana



COAL RESOURCE OCCURRENCE MAP OF THE GARFIELD PEAK  
QUADRANGLE, ROSEBUD COUNTY, MONTANA  
BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979